Charlotte, North Carolina

Commissioner for Patents Washington, D.C. 20231

Docket No.: 10263-33243

INFORMATION DISCLOSURE STATEMENT

In compliance with the Applicant's duty of disclosure under 37 CFR §1.56, Applicants bring the attached document or documents to the attention of the U.S. Patent and Trademark Office in accordance with the provisions of 37 CFR §1.97-98. A copy of each document is enclosed and each document is listed on the enclosed Form PTO-1449.

Respectfully submitted,

Chack tillman

Chad D. Tillman
U.S. Reg. No. 38,634
MORRIS, MANNING & MARTIN, L.L.P.
6000 Fairview Road, Suite 1125
Charlotte, NC 28210
Telephone (704) 554-7070
Fax (704) 556-9554

Please type a plus sign (+) inside to →	+	
	. 1	

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Comp	olete if Known
Application Number	To Be Assigned
Filing Date	Concurrently Herewith
First Named Inventor	McKinnon et al.
Group Art Unit	
Examiner Name	-
Attorney Docket Number	10263-33243

			U.S. PATENT DOC	JMENTS	
Examiner Initials*	Cite No.1	U.S. Patent Document Kind Code ² Number (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	А	5,491,694	Oliver et al.	02/13/1996	
	В	5,581,555	Dubberly et al.	12/03/1996	
	С	5,594,726	Thompson et al.	01/14/1997	
	D	5,757,801	Arimilli	05/26/1998	
	E	5,790,546	Dobbins et al.	08/04/1998	
	F	5,956,342	Manning et al.	09/21/1999	<u> </u>
	G	5,963,557	Eng	10/05/1999	
	Н	6,046,980	Packer	04/04/2000	
	1	6,084,855	Soirinsuo et al.	07/04/2000	
	J	6,104,700	Haddock et al.	08/15/2000	
	к	6,115,390	Chuah	09/05/2000	
	L	5,719,872	Dubberly et al.	02/17/1998	
\longrightarrow					
					-
				 	
				1	

	,	•		FOR	EIGN PATENT DOCUMEN	rs				
Examiner	Cita		Foreign Patent Do	cument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	Τ		
Initials No.1				Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Т6
							<u> </u>	T		
								I		
]								
							-	Г		
	, and the second		-							
					· · · · · · · · · · · · · · · · · · ·					

Examiner	Date	
Signature	Considered	
<u> </u>	 	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please	tурө a	plus sign	(+)	inside	ins box	\rightarrow	+

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid CMB control number.

Substitu	Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Complete if Known			
				Application Number	To Be Assigned		
INF	ORMATION	1 C	ISCLOSURE	Filing Date	Concurrently Herewith		
STA	TEMENT I	3 Y	APPLICANT	First Named Inventor	McKinnon et al.		
U. 7		•	7.1. 1. 2. 0.7 1.1.1	Group Art Unit			
	(use as many s	heet	s as necessary)	Examiner Name			
Sheet	2	of	3	Attorney Docket Number	10263-33243		

		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	- 1
Examiner Initials*	Cite No. ¹	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
•	1	BEAUREGARD, BRIAN CONRAD, Overview of the Cable Modem, WPI Department of Electrical and Computer Engineering [online] Technologies Course Homepage, March 23, 1996 [Retrieved on 2000-12-18]. Retrieved from the Internet at	
		<url:http: bcbeau="" courses="" ee535="" hwk4cd="" hwk96="" nodel.html="" www.ece.wpi.edu="">.</url:http:>	
	2	WHITE, GERRY, Additions To Cable Spec Enable QoS [online] Article in Network World Fusion, June 19, 2000 [Retrieved on 2000-12-19].Retrieved from the Internet at <url:http: cgi-bin="" mailto="" www.nwfusion.com="" x.cgi=""></url:http:>	
	3	RiverDelta Networks, RiverDelta Networks Executive To Discuss Advanced Quality Of Service Techniques At Cable-Tec Expo 2000 [online] Press Release, May 31, 2000 [Retrieved 2000-12-19]. Retrieved from the Internet at <url:http: pr053100html="" www.riverdelta.com="">.</url:http:>	
	4	RiverDelta Networks, RiverDelta Raises \$10 Million To Bring Enhanced Broadband Services To Next-Generation Cable Providers [online] Press Release, December 19,1999 [Retrieved 2000-12-19]. Retrieved from the Internet at <url:http: pr121399.html="" www.riverdelta.com="">.</url:http:>	
	5	River Delta Networks, QoS: One HFC Network, Multiple Revenue Streams [online] White Papers, [Retrieved on 2000-12-19]. Retrieved from the Internet at <url:http: paper08.html="" whitepapers="" www.cabledatacomnews.com="">.</url:http:>	
	6	Telecommunications Online, RiverDelta Networks (www.riverdelta.com) A One-Box MSA Solution [online] Newsletter article, July 2000 [Retrieved on 2000-12-10]. Retrieved from the Internet at <url:http: 200007="" 20000701.html="" products="" www.telecommagazine.com="">.</url:http:>	
	7	WHITE, GERRY, QoS: Enabling Multiple Services on Cable Networks, [online] Telecommunications Online Newsletter Article, October 2000 [Retrieved on 2000-12-19]. Retrieved from the Internet at <url:http: 200010="" issues="" qos_enabling.html="" tcs="" www.telecoms.mag.com="">.</url:http:>	
	8	International Engineering Consortium, How Cable Modems Work [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from the Internet at <url:http: cable_mod="" topic01.html?nest.x="34&Next.y=20" tutorials="" www.iec.org="">.</url:http:>	
	9	International Engineering Consortium, Cable Data System Features [online] Web ProForum Tutorial Course, August 3, 2000 [Retireved on 2000-12-18]. Retireved from the Internet at <url:http: cable_mod="" topic02.html="" tutorials="" www.iec.org="">.</url:http:>	
	10	International Engineering Consortium, Cable Data Network Architecture [online] Web ProForum Tutorial Course, August 3, 2000 [Retireved on 2000-12-18]. Retireved from the Internet at <url:http: cable_mod="" topic03.html="" tutorials="" www.iec.org="">.</url:http:>	

dered
isic

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this bo	× →	[+]
--	-----	-----

PTO/SB/08B (08-00)

Please type a plus sign (+) inside this box

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitu	Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Complete if Known			
						Application Number	To Be Assigned		
INF						Filing Date	Concurrently Herewith		
STA						First Named Inventor	McKinnon et al.		
• • • • • • • • • • • • • • • • • • • •					•	Group Art Unit			
	(use a	s many sh	heets	as necessary)		Examiner Name			
Sheet						Attorney Docket Number	10263-33243		

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	Т
Examiner Initials	Cite No. ¹	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	11	International Engineering Consortium, Cable Data Network Standards [online] Web ProForum Tutorial Course, August 3, 2000 [Retireved on 2000-12-18]. Retrieved from Internet at <url:http: cable_mod="" topic04.html?next.x="40&Next.y=18" tutorials="" www.iec.org="">.</url:http:>	
	12	OSTERGAARD, ROLF V., Cable-Modems.Org: Your Cable Modem Reference Guide, [online] Tutorial 1998-2000 [Retrieved on 2000-12-18]. Retrieved from Internet at <url:http: tutorial="" www.cable-modems.org="">.</url:http:>	
	13	Time Warner Cable, Road Runner Subscription Agreement, January 1999, Pages 1-4.	
	14	WHITE, GERRY, Eliminating Open Access Technology Barriers [online] Telecommunications Online Newsletter Article, July 2000 [Retireved on 2000-12-10]. Retrieved from the Internet at <url:http: 200007="" elimin.html="" issues="" tcs="" telecommagazine.com="">.</url:http:>	:
	15	GREEN, TIM, DSL Has A Secret [online] Network World Fusion Article, March 2, 1999 [Retireved on 2000-12-22]. Retireved from the Internet at <url:http: 02="" 9903="" cnn.com="" computing="" dslsecretlidg="" tech=""></url:http:> .	
	16	Cable Television Laboratories, Inc., Cable Data Modem Performance Evaluation: A Primer For Non-Technical Readers, November 15, 1996, Pages 1-8	
• • • •	17	RiverDelta Networks Inc., QoS: The Key To Maximizing Revenue: A Technical Guide for Cable Operators [online] PDF Document, Publication Date Unknown [Retrieved on 2000-12-18]. Retrieved from Internet at <url:http: www.riverdelta.com="">, Pages 1-8.</url:http:>	
	18	Cable Television Laboratories, Inc., Cable Data Modem Performance Evaluation: A Primer For Non-Technical Readers, April 1996, Pages 1-3.	
	19	ddri Diversified Data Resources, Inc., ACE-SNMP Web Based SNMP Network Management System An Introductory Overview of SNMP, 1999. <url:http: www.ddri.com=""> Pages 1-32.</url:http:>	
			:
:			
	-		

Date
Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

